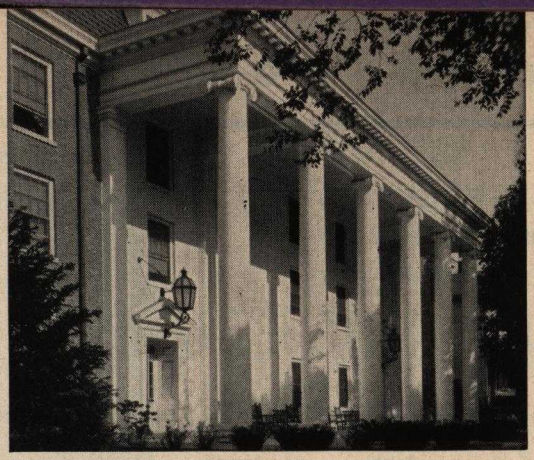


Ohio University, Voight Hall, Athens, Ohio, 6 detail 30″ x 28′, Potter, Tyler, Martin & Roth, Architects, Cincinnati, Ohio.

"White Columns," WSB Radio & T.V. Station, Atlanta, Georgia, 8 detail 32″ x 22′, Design and Construction, The Austin Company, Cleveland, Ohio.

SCHWERD

quality wood columns

Since 1860, the A. F. Schwerd Manufacturing Company has contributed wood columns to American Architecture. Schwerd wood columns are not only esthetically and mathematically correct, but their lasting durability is proved by the continued excellent condition of installations after years of exposure to the most severe climatic conditions. Our careful attention to detail has made "Schwerd Quality Columns" known throughout the industry.

why Schwerd columns are durable

Wood columns are constructed by gluing together wood staves. Our 97 years of experience in manufacturing wood columns has proven that the durability of a wood column depends upon the strength of the joint and the quality and thickness of the wood. The strength of a glued wood joint depends upon three major factors: The quality and strength of the glue; the area of the surfaces in contact; and sufficient pressure to force the glue into the wood and squeeze out all excess glue leaving no pockets of coagulated, uncompressed glue.

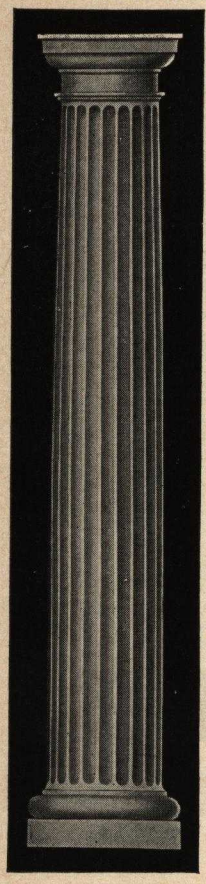
Schwerd column construction was developed to meet each specific requirement. The wood is the best quality, thoroughly seasoned Northern White Pine, the glue is of the highest quality. Special stave-making machines developed by Schwerd, precisely shape, taper, and tongue and groove the staves. The chief function of the tongue and groove, although it increases the area of the surface in contact, is to aid in the exact alignment and assembly of the staves in columnar form. The result, when the staves are glued together, is a shaft which has the proper taper and entasis built-in. The finished column is equally heavy at any point in its length; the lathe turning operation removes only the roughness of the lumber.

Schwerd patented clamps, compressing the shaft with 5,000 pounds pressure, force the glue into the wood and squeeze the excess out. In the subsequent operations of drying, turning, fluting, finishing, painting and shipping, the pride of craftsmanship and skilled techniques acquired by 97 years of specialized experience is applied. The resulting product is a "Schwerd Quality Column."

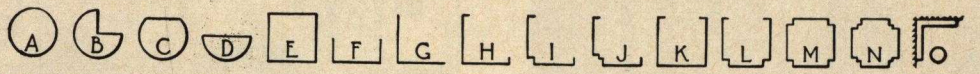
Architects specify "Schwerd Quality Columns" with complete confidence.

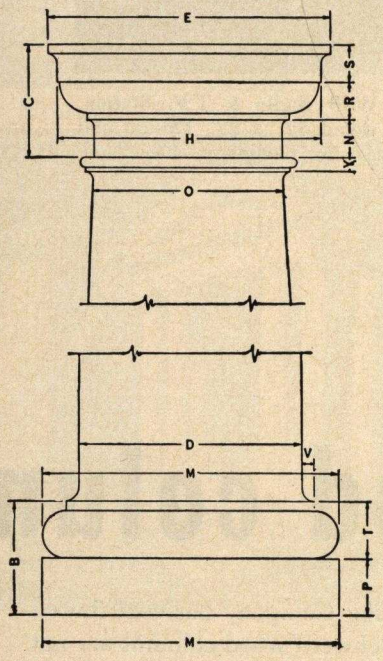
A. F. SCHWERD MANUFACTURING COMPANY

TUSCAN ORDER



COLUMNS—Plain, No. 100; Fluted, No. 105
PILASTERS—Plain, No. 100-F; Fluted, No. 105-F
available sections of columns and pilasters

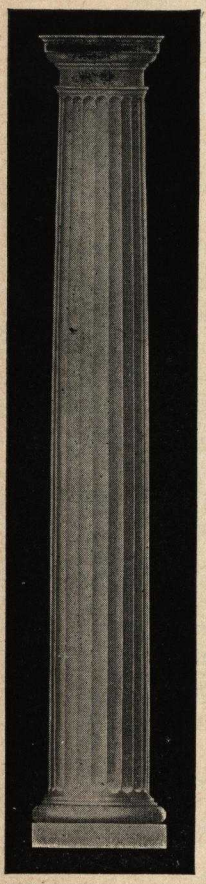




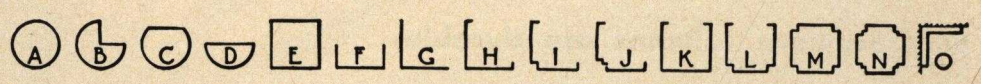
all dimensions in inches

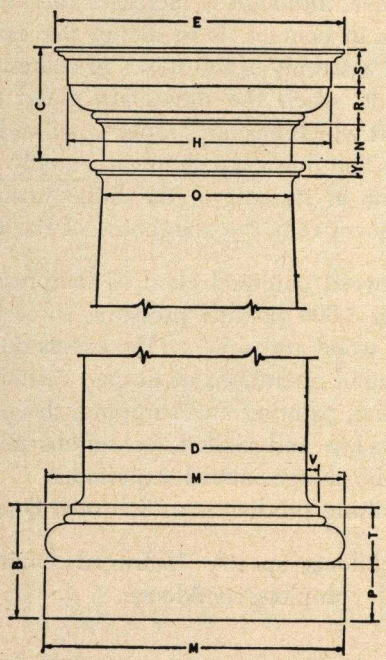
diameter at		total height of			cap						base			
					height				breadth		height		breadth	
base	neck	cap and base	cap	base	square	round			square		square	round	round and square	cove
D	O	C+B	C	B	S	R	N	Y	E	H	P	T	M	V
6	5	6	3	3	1	1	1	3/8	7 1/2	7	1 1/2	1 1/2	8	3/8
7	5 13/16	7	3 1/2	3 1/2	1 3/16	1 3/16	1 1/8	7/16	8 3/4	8 3/16	1 3/4	1 3/4	9 3/8	7/16
8	6 11/16	8	4	4	1 5/16	1 5/16	1 3/8	1/2	10	9 5/16	2	2	10 5/8	1/2
9	7 1/2	9	4 1/2	4 1/2	1 1/2	1 1/2	1 1/2	9/16	11 1/4	10 1/2	2 1/4	2 1/4	12	9/16
10	8 5/16	10	5	5	1 11/16	1 11/16	1 5/8	5/8	12 1/2	11 11/16	2 1/2	2 1/2	13 3/8	5/8
11	9 5/16	11	5 1/2	5 1/2	1 13/16	1 13/16	1 7/8	11/16	13 3/4	12 13/16	2 3/4	2 3/4	14 5/8	11/16
12	10	12	6	6	2	2	2	3/4	15	14	3	3	16	3/4
13	10 13/16	13	6 1/2	6 1/2	2 3/16	2 3/16	2 1/8	13/16	16 1/4	15	3 1/4	3 1/4	17 3/8	13/16
14	11 5/8	14	7	7	2 5/16	2 5/16	2 3/8	7/8	17 1/2	16 5/16	3 1/2	3 1/2	18 5/8	7/8
15	12 1/2	15	7 1/2	7 1/2	2 1/2	2 1/2	2 1/2	15/16	18 3/4	17 1/2	3 3/4	3 3/4	20	15/16
16	13 5/16	16	8	8	2 11/16	2 11/16	2 5/8	1	20	18 11/16	4	4	21 3/16	1
18	15	18	9	9	3	3	3	1 1/8	22 1/2	21	4 1/2	4 1/2	24	1 1/8
20	16 5/8	20	10	10	3 5/16	3 5/16	3 3/8	1 1/4	25	23 5/16	5	5	26 11/16	1 1/4
22	18 3/8	22	11	11	3 5/8	3 5/8	3 3/4	1 3/8	27 1/2	25 11/16	5 1/2	5 1/2	29 1/4	1 3/8
24	20	24	12	12	4	4	4	1 1/2	30	28	6	6	32	1 1/2
26	21 5/8	26	13	13	4 5/16	4 5/16	4 3/16	1 5/8	32 1/2	30 5/16	6 1/2	6 1/2	34 3/4	1 5/8
28	23 1/4	28	14	14	4 5/8	4 5/8	4 3/4	1 3/4	35	32 11/16	7	7	37 5/16	1 3/4
30	25	30	15	15	5	5	5	1 7/8	37 1/2	35	7 1/2	7 1/2	40	1 7/8
32	26 5/8	32	16	16	5 5/16	5 5/16	5 3/16	2	40	37 5/16	8	8	42 3/4	2
34	28 5/16	34	17	17	5 5/8	5 5/8	5 3/4	2 1/8	42 1/2	39 11/16	8 1/2	8 1/2	45 5/16	2 1/8
36	30	36	18	18	6	6	6	2 1/4	45	42	9	9	48	2 1/4

ROMAN DORIC ORDER



COLUMNS—Plain, No. 110; Fluted, No. 115
PILASTERS—Plain, No. 110-F; Fluted, No. 115-F
available sections of columns and pilasters

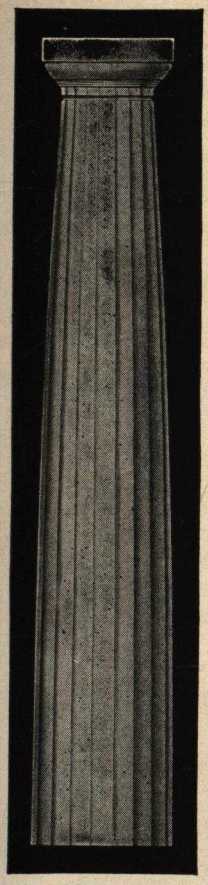




all dimensions in inches

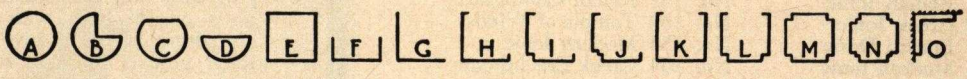
diameter at		total height of			cap						base			
					height				breadth		height		breadth	
base	neck	cap and base	cap	base	square	round			square		square	round	round and square	cove
D	O	C+B	C	B	S	R	N	Y	E	H	P	T	M	V
6	5	6	3	3	1	1	1	3/8	7 11/16	7	1 1/2	1 1/2	8	3/8
7	5 13/16	7	3 1/2	3 1/2	1 1/8	1 1/8	1 1/4	7/16	8 7/8	8 1/16	1 3/4	1 3/4	9 3/8	7/16
8	6 11/16	8	4	4	1 5/16	1 5/16	1 3/8	1/2	10 5/16	9 5/16	2	2	10 5/8	1/2
9	7 1/2	9	4 1/2	4 1/2	1 1/2	1 1/2	1 1/2	9/16	11 3/8	10 1/2	2 1/4	2 1/4	12	9/16
10	8 5/16	10	5	5	1 5/8	1 5/8	1 3/4	5/8	12 3/4	11 9/16	2 1/2	2 1/2	13 3/8	5/8
11	9 5/16	11	5 1/2	5 1/2	1 13/16	1 13/16	1 7/8	11/16	14 1/16	12 13/16	2 3/4	2 3/4	14 5/8	11/16
12	10	12	6	6	2	2	2	3/4	15 5/16	14	3	3	16	3/4
13	10 13/16	13	6 1/2	6 1/2	2 1/8	2 1/8	2 1/4	13/16	16 9/16	15 1/16	3 1/4	3 1/4	17 3/8	13/16
14	11 5/8	14	7	7	2 5/16	2 5/16	2 3/8	7/8	17 3/4	16 1/4	3 1/2	3 1/2	18 5/8	7/8
15	12 1/2	15	7 1/2	7 1/2	2 1/2	2 1/2	2 1/2	15/16	19 1/8	17 1/2	3 3/4	3 3/4	20	15/16
16	13 5/16	16	8	8	2 5/8	2 5/8	2 3/4	1	20 3/8	18 9/16	4	4	21 1/4	1
18	15	18	9	9	3	3	3	1 1/8	23	21	4 1/2	4 1/2	24	1 1/8
20	16 5/8	20	10	10	3 5/16	3 5/16	3 3/8	1 1/4	25 1/2	23 1/4	5	5	26 3/4	1 1/4
22	18 3/8	22	11	11	3 5/8	3 5/8	3 3/4	1 3/8	28 1/8	25 5/8	5 1/2	5 1/2	29 1/4	1 3/8
24	20	24	12	12	4	4	4	1 1/2	30 5/8	28	6	6	32	1 1/2
26	21 5/8	26	13	13	4 5/16	4 5/16	4 3/16	1 5/8	33 1/8	30 1/4	6 1/2	6 1/2	34 3/4	1 5/8
28	23 1/4	28	14	14	4 5/8	4 5/8	4 3/4	1 3/4	35 1/2	32 1/2	7	7	37 1/4	1 3/4
30	25	30	15	15	5	5	5	1 7/8	38 1/4	35	7 1/2	7 1/2	40	1 7/8
32	26 5/8	32	16	16	5 5/16	5 5/16	5 3/8	2	40 3/4	37 1/4	8	8	42 1/2	2
34	28 5/16	34	17	17	5 5/8	5 5/8	5 3/4	2 1/8	43 7/16	39 5/16	8 1/2	8 1/2	45 1/4	2 1/8
36	30	36	18	18	6	6	6	2 1/4	46	42	9	9	48	2 1/4

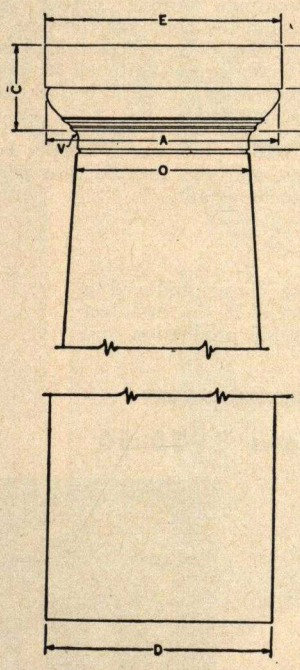
GREEK DORIC ORDER



COLUMNS—Plain, No. 120; Fluted, No. 125
PILASTERS—Plain, No. 120-F; Fluted, No. 125-F
available sections in columns and pilasters

5c
5c

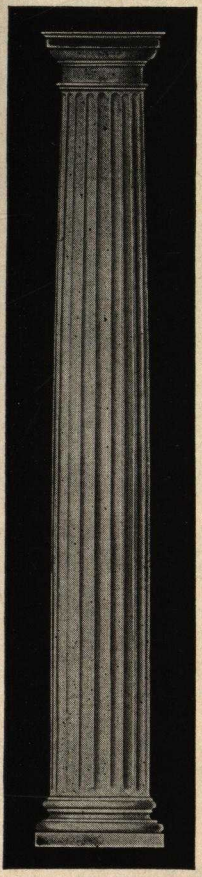




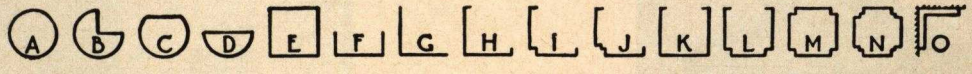
all dimensions in inches

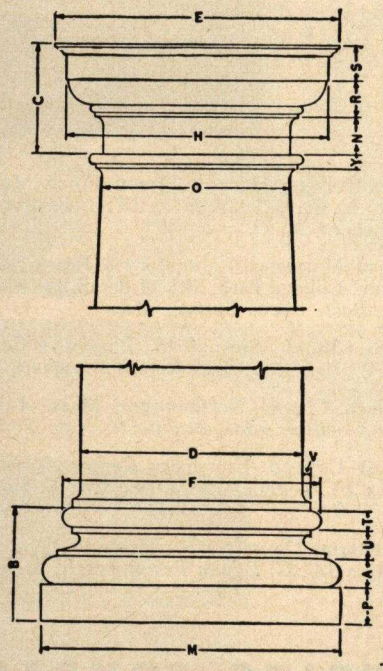
diameter at base D	diameter at neck O	cap height total C	cap height square S	cap height round R	cap height round N	cap breadth square E	cap breadth round A	cove V
6	4 1/2	2 1/4	1 1/8	1 1/8	1/2	6 3/8	6 1/4	3/16
7	5 1/4	2 5/8	1 5/16	1 5/16	5/8	7 3/8	7 1/4	1/4
8	6	3	1 1/2	1 1/2	3/4	8 3/8	8 1/4	5/16
9	6 3/4	3 3/8	1 11/16	1 11/16	13/16	9 3/8	9 1/4	3/8
10	7 1/2	3 3/4	1 7/8	1 7/8	7/8	10 3/8	10 1/2	3/8
11	8 1/4	4 1/8	2 1/16	2 1/16	15/16	11 1/2	11 3/8	7/16
12	9	4 1/2	2 1/4	2 1/4	1	12 1/2	12 3/8	7/16
13	9 3/4	4 7/8	2 7/16	2 7/16	1 1/8	13 1/2	13 3/8	1/2
14	10 1/2	5 1/4	2 5/8	2 5/8	1 1/4	14 3/8	14 3/8	1/2
15	11 1/4	5 5/8	2 13/16	2 13/16	1 3/8	15 5/8	15 3/8	1/2
16	12	6	3	3	1 1/2	17	16 1/2	9/16
18	13 1/2	6 3/4	3 3/8	3 3/8	1 5/8	18 7/8	18 5/8	5/8
20	15	7 1/2	3 3/4	3 3/4	1 3/4	20 7/8	20 5/8	11/16
22	16 1/2	8 1/4	4 1/8	4 1/8	1 7/8	23	22 3/4	3/4
24	18	9	4 1/2	4 1/2	2	25	24 3/4	13/16
26	19 1/2	9 3/4	4 7/8	4 7/8	2 1/4	27	26 3/4	7/8
28	21	10 1/2	5 1/4	5 1/4	2 1/2	29 1/4	28 7/8	15/16
30	22 1/2	11 1/4	5 5/8	5 5/8	2 3/4	31 1/4	30 3/4	1
32	24	12	6	6	3	34	33	1 1/8
34	25 1/2	12 3/4	6 3/8	6 3/8	3 1/8	35 5/8	34 1/8	1 1/4
36	27	13 1/2	6 3/4	6 3/4	3 1/4	37 3/4	37 1/8	1 3/8

DORIC CAP AND ATTIC BASE



COLUMNS—Plain, No. 130; Fluted, No. 135
PILASTERS—Plain, No. 130-F; Fluted, No. 135-F
available sections in columns and pilasters





all dimensions in inches

diameter at base D	diameter at neck O	total height of cap+base C+B	total height of cap C	total height of base B	cap height square S	cap height round R	cap height round N	cap height round V	cap breadth square E	cap breadth square H	base height square base P	base height bottom round A	base height middle round U	base height top round T	base breadth top round F	base breadth bottom round and square M	base breadth cove V
6	5	6	3	3	1	1	1	3/8	7 11/16	7	15/16	3/4	13/16	1/2	7	8	3/16
7	5 13/16	7	3 1/2	3 1/2	1 1/8	1 1/8	1 1/4	7/16	8 7/8	8 1/16	1 1/16	7/8	15/16	9/16	8 1/4	9 3/8	1/4
8	6 11/16	8	4	4	1 5/16	1 5/16	1 3/8	1/2	10 3/16	9 5/16	1 1/4	1	1 1/8	5/8	9 3/8	10 5/8	1/4
9	7 1/2	9	4 1/2	4 1/2	1 1/2	1 1/2	1 1/2	9/16	11 1/2	10 1/2	1 3/8	1 1/8	1 1/4	3/4	10 9/16	12	1/4
10	8 5/16	10	5	5	1 5/8	1 5/8	1 3/4	5/8	12 3/4	11 9/16	1 5/8	1 1/4	1 3/8	3/4	11 3/4	13 3/8	3/8
11	9 3/16	11	5 1/2	5 1/2	1 13/16	1 13/16	1 7/8	11/16	14 1/16	12 13/16	1 3/4	1 3/8	1 3/8	1	13 1/2	14 5/8	3/8
12	10	12	6	6	2	2	2	3/4	15 5/16	14	1 7/8	1 1/2	1 5/8	1	14	16	3/8
13	10 13/16	13	6 1/2	6 1/2	2 1/8	2 1/8	2 1/4	13/16	16 9/16	15 1/16	2	1 5/8	1 13/16	1 1/16	15 1/4	17 3/8	1/2
14	11 3/8	14	7	7	2 5/16	2 5/16	2 3/8	7/8	17 3/4	16 1/4	2 1/8	1 3/4	2	1 1/8	16 1/2	18 5/8	1/2
15	12 1/2	15	7 1/2	7 1/2	2 1/2	2 1/2	2 1/2	13/16	19 1/8	17 1/2	2 1/4	1 7/8	2 1/8	1 1/4	17 5/8	20	5/8
16	13 5/16	16	8	8	2 5/8	2 5/8	2 3/4	1	20 3/8	18 9/16	2 1/2	2	2 1/4	1 1/4	18 3/4	21 1/4	5/8
18	15	18	9	9	3	3	3	1 1/8	23	21	2 3/4	2 1/4	2 1/2	1 1/2	21 1/8	24	3/4
20	16 5/8	20	10	10	3 5/16	3 5/16	3 3/8	1 1/4	25 1/2	23 1/4	3 1/4	2 1/2	2 3/4	1 1/2	23 1/2	26 3/4	3/4
22	18 3/8	22	11	11	3 5/8	3 5/8	3 3/4	1 3/8	28 1/8	25 5/8	3 1/2	2 3/4	2 7/8	1 7/8	27	29 1/4	7/8
24	20	24	12	12	4	4	4	1 1/2	30 5/8	28	3 3/4	3	3 1/4	2	28	32	7/8
26	21 5/8	26	13	13	4 5/16	4 5/16	4 3/8	1 5/8	33 1/8	30 1/4	4	3 1/4	3 5/8	2 1/8	30 1/2	34 3/4	1
28	23 1/4	28	14	14	4 5/8	4 5/8	4 3/4	1 3/4	35 1/2	32 1/2	4 1/4	3 1/2	4	2 1/4	33	37 1/4	1
30	25	30	15	15	5	5	5	1 7/8	38 1/4	35	4 1/2	3 3/4	4 1/4	2 1/2	35 1/4	40	1 1/8
32	26 5/8	32	16	16	5 5/16	5 5/16	5 3/8	2	40 3/4	37 1/4	5	4	4 3/8	2 5/8	37 1/2	42 1/2	1 1/4
34	28 5/16	34	17	17	5 5/8	5 5/8	5 3/4	2 1/8	43 7/16	39 9/16	5 1/4	4 1/4	4 5/8	2 7/8	40	45 1/8	1 3/8
36	30	36	18	18	6	6	6	2 1/4	46	42	5 1/2	4 1/2	5	3	42	48	1 1/2

Schwerd *quality* wood columns

composition capitals

Widely used composition capitals are durable, strong, artistic and very much cheaper than hand carving. The following stock model designs of various orders can be furnished:

No. 140 Scamozzi
No. 141 Roman Ionic
No. 142 Greek Ionic
No. 143 Roman Doric
No. 144 Modern Ionic
No. 150 Roman Corinthian
No. 151 Italian Composite
No. 152 Temple of Winds
No. 153 Modern Ionic
No. 154 Greek Erechtheum

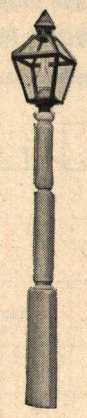
Also facilities for special models to details.

ventilation

All columns *must* be ventilated at the top and bottom so a continuous current of air is flowing inside the columns to keep them dry.

If it is not practical to ventilate the wood plinths on the job, we can furnish ventilated wood or cast iron plinths, or lead pads. The top of the column, even if flashed, must be open to permit complete ventilation.

turned wood post P-35 and copper lantern



A quality product built to last a lifetime. Posts are made from dry, Northern White Pine (toxic treated), accurately milled, pressure glued and then turned on lathes. This construction is stronger than a solid wood post and will withstand the elements longer. All posts are 8′ high with the lower 18″ dipped in asphaltum paint to give extra moisture protection. Each post is finished with two coats of lead-zinc undercoating. Ample wiring space is provided throughout the height of the post, permitting the use of pipe, lead cable or conduit. Lanterns are made of extra heavy copper with all joints double-locked and soldered. Standard finish is dull black with clear glass panels supplied.

We stock 8 posts and 5 copper lanterns of different designs, and also manufacture posts and lanterns to Architect's details.

services to architects

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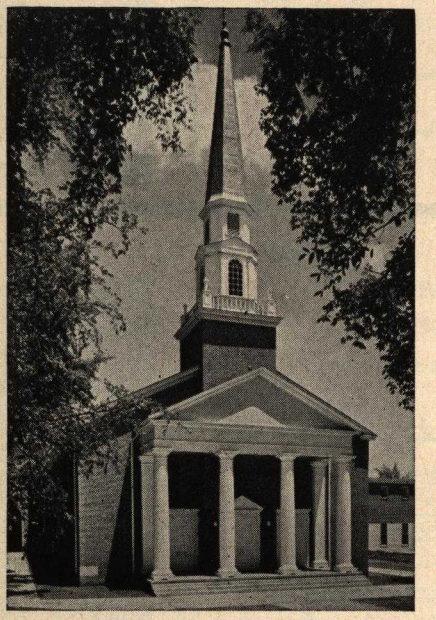
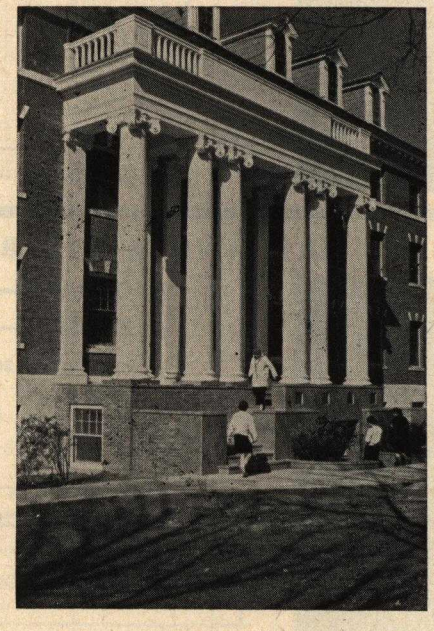


◀ First Baptist Church, Elkin, N. C., 4 detail 30″x20′. *Loewenstein-Atkinson Assoc., Greensboro, N. C., J. M. Franklin, Elkin, N. C., Hardie C. Bass, Jr., Nashville, Tenn., Archts.*



▶ Green Mountain Junior College, Moses Hall, Poultney, Vt., 6 detail 28″ x 21′. *Helmer & Cole, Archts., Woodstock, Vt.*

Trinity Methodist Church, Kannapolis, N. C., 4 detail 28″ x 20′, *Linthicum & Linthicum, Architects, deceased, Albert C. Woodroof, Architect, Greensboro, N. C., continuing Architect.*

First Baptist Church, Cedartown, Ga., 6 detail 24″ x 20′, *Bothwell & Nash, Architects, Marietta, Georgia.*

First Lutheran Church, Holyoke, Mass., 4 detail 36″ x 22′, *Bessell & Matz, Architects, New York, N. Y.*

Hanover College Chapel, Hanover, Indiana, 4 detail 28″ x 15′, *Charles M. Brown, Architect, Indianapolis, Ind.*

First Presbyterian Church, Harriman, Tenn., 6 detail 30″ x 15′, *Barber & McMurry, Architects, Knoxville, Tenn.*

St. Philip The Apostle Church, Saddle Brook, N. J., 4 detail 24″ x 23′, *William Neumann & Sons, Architects, Jersey City, N. J.*

First Unitarian Church, Shaker Heights, Ohio, 4 detail 26″ x 20′, *Small, Smith & Reeb, Architects, Cleveland, Ohio.*

Greensboro College, Hannah Brown Finch Memorial Chapel, Greensboro, N. C., 6 detail 30″ x 15′. *J. Burton Wilder, Architect, Greensboro, N. C.*

University of Maryland, Laboratory & Research Bldg., Asphaltum Institute, College Park, Md., 4 detail 28″ x 20′. *Ted Englehardt, Architect, Silver Spring, Md.*

St. Aloysius Church, Springfield, Illinois, 4 detail 24″ x 24′, *Hadley & Worthington, Architects, Springfield, Ill.*

Smith College, Chapel, Northampton, Mass., 4 detail 30″ x 25′. *William & Goeffrey Platt, Architects, New York, N. Y.*

Wake-Forest College, University Center, Reynolda, N. C., 6 detail 32″ x 23′. 6 detail 28″ x 19′. *Jens F. Larson, Architect, Reynolda, N. C.*

First Presbyterian Church, Moorestown, N. J., 4 detail 27″ x 20′, 2 detail 21″ x 14′. *G. Edwin Braumbaugh, Architect, Gwynedd Valley, Pa.*

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